

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/830,011
Source: JFW16
Date Processed by STIC: 9/19/05

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IFW16

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/830,011

DATE: 09/19/2005
TIME: 10:45:25

Input Set : A:\65064135.app
Output Set: N:\CRF4\09192005\I830011.raw

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3 <110> APPLICANT: SMYTHE, MARK LESLIE
4           DOOLEY, MICHAEL JOHN
5           ANDREWS, PETER RONALD
7 <120> TITLE OF INVENTION: PROTEIN ENGINEERING
9 <130> FILE REFERENCE: 065064-0135
11 <140> CURRENT APPLICATION NUMBER: 09/830,011
12 <141> CURRENT FILING DATE: 2001-07-23
14 <150> PRIOR APPLICATION NUMBER: PCT/AU99/00914
15 <151> PRIOR FILING DATE: 1999-10-21
17 <150> PRIOR APPLICATION NUMBER: AU PP 6606
18 <151> PRIOR FILING DATE: 1998-10-21
20 <160> NUMBER OF SEQ ID NOS: 26
22 <170> SOFTWARE: PatentIn Ver. 3.3
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 31
26 <212> TYPE: PRT
27 <213> ORGANISM: Leiurus quinquestriatus
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30 Ala Phe Cys Asn Leu Arg Met Cys Gln Leu Ser Cys Arg Ser Leu Gly
31      1          5          10          15
33 Leu Leu Gly Lys Cys Ile Gly Asp Lys Cys Glu Cys Val Lys His
34      20         25          30
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39 <212> TYPE: PRT
40 <213> ORGANISM: Artificial Sequence
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43 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
44     peptide
46 <400> SEQUENCE: 2
47 Ala Phe Cys Asn Leu Arg Lys Cys Gln Asp Lys Cys Glu Thr Phe Gly
48      1          5          10          15
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51      20         25          30
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55 <211> LENGTH: 30
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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63 <400> SEQUENCE: 3
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65 1 5 10 15
67 Leu Leu Gly Lys Cys Ile Gly Asp Lys Cys Glu Cys Val Lys
68 20 25 30
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72 <211> LENGTH: 30
73 <212> TYPE: PRT
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
78 peptide
80 <400> SEQUENCE: 4
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82 1 5 10 15
84 Leu Leu Gly Lys Cys Ile Gly Asp Lys Cys Glu Cys Val Lys
85 20 25 30
88 <210> SEQ ID NO: 5
89 <211> LENGTH: 27
90 <212> TYPE: PRT
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
95 peptide
97 <400> SEQUENCE: 5
98 Cys Arg Leu Tyr Lys Cys Gln Asp Glu Cys Arg Ile Leu Gly Leu Leu
99 1 5 10 15
101 Gly Lys Cys Ile Gly Asp Lys Cys Glu Cys Gly
102 20 25
105 <210> SEQ ID NO: 6
106 <211> LENGTH: 17
107 <212> TYPE: PRT
108 <213> ORGANISM: Homo sapiens
110 <400> SEQUENCE: 6
111 Cys Phe Arg Lys Asp Met Asp Lys Val Glu Thr Phe Leu Arg Ile Val
112 1 5 10 15
114 Gln
118 <210> SEQ ID NO: 7
119 <211> LENGTH: 45
120 <212> TYPE: PRT
121 <213> ORGANISM: Cerebratulus lacteus
123 <400> SEQUENCE: 7
124 Ala Cys Glu Asn Asn Cys Arg Lys Lys Tyr Asp Leu Cys Ile Arg Cys
125 1 5 10 15
127 Gln Gly Lys Trp Ala Gly Lys Arg Gly Lys Cys Ala Ala His Cys Ile
128 20 25 30
130 Ile Gln Lys Asn Asn Cys Lys Gly Lys Cys Lys Lys Glu
131 35 40 45
134 <210> SEQ ID NO: 8
135 <211> LENGTH: 45
136 <212> TYPE: PRT

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137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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143 <400> SEQUENCE: 8
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145 1 5 10 15
147 Gln Gly Lys Phe Ala Gly Lys Asp Gly Asn Cys Ala Ala Arg Cys Ile
148 20 25 30
150 Arg Leu His Gln Leu Cys Phe Gly Lys Cys Ala Lys Glu
151 35 40 45
154 <210> SEQ ID NO: 9
155 <211> LENGTH: 17
156 <212> TYPE: PRT
157 <213> ORGANISM: Homo sapiens
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160 Cys Phe Arg Lys Asp Met Asp Lys Val Glu Thr Phe Leu Arg Ile Val
161 1 5 10 15
163 Gln
167 <210> SEQ ID NO: 10
168 <211> LENGTH: 16
169 <212> TYPE: PRT
170 <213> ORGANISM: Homo sapiens
172 <400> SEQUENCE: 10
173 Asp Asn Ala Met Leu Arg Ala His Arg Leu His Gln Leu Ala Phe Asp
174 1 5 10 15
177 <210> SEQ ID NO: 11
178 <211> LENGTH: 34
179 <212> TYPE: PRT
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
184 peptide
186 <400> SEQUENCE: 11
187 Phe Asn Met Gln Cys Gln Arg Arg Phe Tyr Glu Ala Leu His Asp Pro
188 1 5 10 15
190 Asn Leu Asn Glu Glu Gln Arg Asn Ala Lys Ile Lys Ser Ile Arg Asp
191 20 25 30
193 Asp Cys
197 <210> SEQ ID NO: 12
198 <211> LENGTH: 34
199 <212> TYPE: PRT
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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206 <400> SEQUENCE: 12
207 Phe Asn Tyr Asp Cys Gln Lys Asp Phe Glu Glu Gly Leu Gln Thr Pro
208 1 5 10 15

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Input Set : A:\65064135.app
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211 20 25 30
213 Arg Cys
217 <210> SEQ ID NO: 13
218 <211> LENGTH: 19
219 <212> TYPE: PRT
220 <213> ORGANISM: Homo sapiens
222 <400> SEQUENCE: 13
223 Ala Ser Asp Ser Asn Val Tyr Asp Leu Leu Lys Asp Leu Glu Glu Gly
224 1 5 10 15
226 Ile Gln Thr
230 <210> SEQ ID NO: 14
231 <211> LENGTH: 21
232 <212> TYPE: PRT
233 <213> ORGANISM: Homo sapiens
235 <400> SEQUENCE: 14
236 Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Met Leu Arg
237 1 5 10 15
239 Ala His Arg Leu His
240 20
243 <210> SEQ ID NO: 15
244 <211> LENGTH: 38
245 <212> TYPE: PRT
246 <213> ORGANISM: Euplotes raikovi
248 <400> SEQUENCE: 15
249 Asp Leu Cys Glu Gln Ser Ala Leu Gln Cys Asn Glu Gln Gly Cys His
250 1 5 10 15
252 Asn Phe Cys Ser Pro Glu Asp Lys Pro Gly Cys Leu Gly Met Val Trp
253 20 25 30
255 Asn Pro Glu Leu Cys Pro
256 35
259 <210> SEQ ID NO: 16
260 <211> LENGTH: 38
261 <212> TYPE: PRT
262 <213> ORGANISM: Artificial Sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
266 peptide
268 <220> FEATURE:
269 <221> NAME/KEY: MOD_RES
270 <222> LOCATION: (28)
271 <223> OTHER INFORMATION: Norleucine
273 <400> SEQUENCE: 16
274 Asp Leu Cys Glu Gln Gly Ala Leu Gln Cys Gly Glu Thr Phe Cys Arg
275 1 5 10 15
W--> 277 Ile Ala Cys Ser Pro Arg Asp Lys Asp Asn Cys Xaa Leu Arg Val His
278 20 25 30
280 Arg Pro Ala Leu Cys Ala
281 35

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Input Set : A:\65064135.app
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284 <210> SEQ ID NO: 17
 285 <211> LENGTH: 38
 286 <212> TYPE: PRT
 287 <213> ORGANISM: Artificial Sequence
 289 <220> FEATURE:
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 293 <220> FEATURE:
 294 <221> NAME/KEY: MOD_RES
 295 <222> LOCATION: (28) /
 296 <223> OTHER INFORMATION: Norleucine
 298 <400> SEQUENCE: 17
 299 Asp Leu Cys Glu Gln Gly Ala Leu Gln Cys Gly Ser Thr Phe Cys Arg
 300 1 5 10 15
 W--> 302 Thr Ala Cys Ser Pro Arg Asp Lys Asp Asn Cys Xaa Leu Arg Val Asp
 303 20 25 30
 305 Arg Pro Ala Leu Cys Ala
 306 35
 309 <210> SEQ ID NO: 18
 310 <211> LENGTH: 38
 311 <212> TYPE: PRT
 312 <213> ORGANISM: Artificial Sequence
 314 <220> FEATURE:
 315 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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 318 <220> FEATURE:
 319 <221> NAME/KEY: MOD_RES
 320 <222> LOCATION: (28) /
 321 <223> OTHER INFORMATION: Norleucine
 323 <400> SEQUENCE: 18
 324 Asp Leu Cys Glu Gln Ser Ala Leu Gln Cys Asn Ser Thr Gly Cys Arg
 325 1 5 10 15
 W--> 327 Thr Phe Cys Ser Pro Arg Asp Asx Asp Asn Cys Xaa Leu Arg Val Asp
 328 20 25 30
 330 Arg Pro Ala Leu Cys Ala
 331 35
 334 <210> SEQ ID NO: 19
 335 <211> LENGTH: 8
 336 <212> TYPE: PRT
 337 <213> ORGANISM: Homo sapiens
 339 <400> SEQUENCE: 19
 340 Val Glu Thr Phe Leu Arg Ile Val
 341 1 5
 344 <210> SEQ ID NO: 20
 345 <211> LENGTH: 14
 346 <212> TYPE: PRT
 347 <213> ORGANISM: Homo sapiens
 349 <400> SEQUENCE: 20
 350 Ser Arg Leu Phe Asp Asn Ala Met Leu Arg Ala His Arg Leu

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/19/2005
PATENT APPLICATION: US/09/830,011 TIME: 10:45:26

Input Set : A:\65064135.app
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:16; Xaa Pos. 28 /
Seq#:17; Xaa Pos. 28 /
Seq#:18; Xaa Pos. 28 /

VERIFICATION SUMMARY

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Input Set : A:\65064135.app

Output Set: N:\CRF4\09192005\I830011.raw

L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:16

L:302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:16

L:327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:16